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By: Nancy Ramos Printed: Nancy Ramos

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Xiao Min Schebye, Thierry R. Sornasse

Title: CDNAS EXPRESSED IN ADIPOCYTE DIFFERENTIATION

Serial No.: To Be Assigned

Filed:

Herewith

Examiner: To Be Assigned

Group Art Unit:

To Be Assigned

Commissioner for Patents
Box Patent Application
Washington, D.C. 20231

SUBMISSION UNDER 37 CFR §1.821- 1.825 SEQUENCE LISTING

Sir:

In accordance with the requirements of 37 CFR §1.821- 1.825, Applicants hereby submit one (1) diskette containing the computer-readable information for the "Sequence Listing" of the above-identified application. The diskette complies with the requirements of 37 CFR §1.824 and is IBM PC compatible using a UNIX operating system with PERL Program.

Accompanying the application is the paper copy of the Sequence Listing as disclosed in the application.

The content of the "Sequence Listing" paper copy is identical to the computer readable copy, as required under 37 CFR § 1.821(f).

Respectfully submitted,

INCYTE GENOMICS, INC.

Date: 30th July 2000

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PA-0033 US

<110> Schebye, Xiao Min
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PA-0033 US

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PA-0033 US

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<212> DNA

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<223> Incyte ID No: g36628

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PA-0033 US

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<212> DNA
<213> Homo sapiens

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<223> Incyte ID No: 233807.5

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<211> 1733

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 481472.4

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<211> 794

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 047593.1

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<221> unsure

<222> 502-546, 605-661

<223> a, t, c, g, or other

<400> 11

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<210> 13

<211> 1478

PA-0033 US

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 015611.1

<220>

<221> unsure

<222> 537, 1446

<223> a, t, c, g, or other

<400> 13

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<211> 745

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 228302.1

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PA-0033 US

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<211> 808

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 1382878.con

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<210> 16

<211> 1895

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 1468660.con

<400> 16

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PA-0033 US

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<210> 17
<211> 934
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 215513.2

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<211> 5067
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
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<400> 18

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<210> 19

<211> 1968

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: g38266

<400> 19

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<213> Homo sapiens

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PA-0033 US

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PA-0033 US

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<223> Incyte ID No: g474933

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PA-0033 US

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PA-0033 US

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<211> 2955

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: g184025

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<211> 1572

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 030254.1

<220>

<221> unsure

<222> 1070, 1472

<223> a, t, c, g, or other

<400> 31

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PA-0033 US

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<211> 1828
<212> DNA
<213> Homo sapiens

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PA-0033 US

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<211> 2354

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 410462.8

<400> 34

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PA-0033 US

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<211> 2519

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 474695.26

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PA-0033 US

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<211> 2923

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 481235.3

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aagatacttt tctgttgga ttctctttta caaataagtc taaatgactg ataatagaag 2580
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```

PA-0033 US

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tttgtaactt agttactttt cagataggct tgtgttaact tttgaacatg tgtaacttaa 2700
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<210> 37

<211> 1536

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: g984324

<400> 37

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gttgacgatt tcttggccaa tgaggcaaag ggaaccaaag tgggtgggtgc ccagtccctg 180
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aagggaattt tatttggtgg gagcggagtc agtgggtggag aggaagggcc ccggtatggc 420
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gccaaaccag ggcagtttat ccacaccaac tggacaggcc atgggtggcac cgtgtcatcc 1440
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ccatgtgcct catggcactg ccacctgggc ctttgg 1536
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<210> 38

<211> 658

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 206385.4

<400> 38

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acgatgattc ctacttagga gaactgcggg cttccaagaa attgccatat aagaacccaa 180
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PA-0033 US

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gcttagcagc cttgtacaac caccacactg ggacattcaa gaacaaaagt gagatactgt 360
taaaccagaa aaccacgcag gatacctata gaaccaagat ccaattccct ggagaatttt 420
taacccttcc cactccaccc atcacttttc tggctaacad cagacactgg atcaacccta 480
aaaaggagtc catccacagc atccaaggat ccatagtgtc ccctcacact gcagccacca 540
atggaggcta ctcccgaag aaagatggtg gcttcttctc cacctagtgt tgacagatcc 600
ctgaactaat tatagtgaat catactgcgg ccacttcca ttaaatagat ttgtgcaa 658
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<210> 39

<211> 896

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 227484.3

<400> 39

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cactgtctaa agcattttaa ggtcttttct taacacagcc aactcccccg ggtttgaaac 180
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tatttactgt gttctcatgc tgtgtttttt ttttctctgt ctctccctcc tgctcgtgtc 360
tgcccagggc tgattgttgt gacattggcc gtatgctgga tgcccaacca gattcggagg 420
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agaactgaga agattttctt aagcactttt cagagcgagg ccgagcccca gtctaagtcc 780
cagtcattga gtctcgagtc actagagccc aactcaggcg cgaaaccaat tctgctgcag 840
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<210> 40

<211> 991

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 406006.1

<220>

<221> unsure

<222> 715

<223> a, t, c, g, or other

<400> 40

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attacacaaa gccaaataca ttttctaagt ccgattctt ttgtaaataa tagtcatgga 120
gctaataatg aactagaatt agtaacatgt ctttcatcag agatgtttat gaaagataat 180
tcacagcctg tgcatttgga atcaacaatt gcacatgaaa tttatcagaa aatttttaagt 240
ccagattctt tcataaaaaga taattatgga ctaaatacagg atctagaatc agagtcagtt 300
aatcctatth tatcccctaa tcaattttta aaagataaca tggcatatat gtgtacatct 360
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PA-0033 US

```
cagcaaacat gtaaagtacc attatcaaat gaaaattctc aagtcccaca gtctcctgaa 420
gattggagaa aaagtgaagt ttccgccacgt attcctgaat gtcagggttc aaaatctccc 480
aaagctatctt ttgaagaact agtagaaatg aagtcaaatt actacagttt tataaaaacaa 540
aataatccta aattttctgc agttcaggat atttctagtc atagccacaa taaacaacct 600
aagagacgtc caatactttc tgccactggt actaaaagga aggccacctg taccagagaa 660
aaccaaaactg agattaataa accaaaagca aaaagatgtc tcaacagtgc agtgntcaac 720
atgaaaaagt aataaataat caaaaaggaaa aagaagattt tcattcttat cttccaatta 780
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<210> 41

<211> 1781

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 332240.1

<220>

<221> unsure

<222> 1509

<223> a, t, c, g, or other

<400> 41

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ggtttattaa agttttatctt aacaatttta gctaagcaga atgtgctaatt gtaattcaag 240
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caatggtaag cagcaataaa gatcaagaaa atccccaact tttctaataa cgcctataca 420
atatgaaaaa aaaaatagta tctatcacca cctcttaaca atggacatca aaattaggat 480
tgtaggtttt ctaagtgtt ggataaaaaa tgccaacaca gtttaagatcc ttggttaatt 540
atctttgatt tttcaaaccc ccaaaacata aaatatcttg cttgctggtg cattaacca 600
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gggaggtatc actgccaaaga gaaatgcaca gcagcctaaa agatacatga ttcactagca 780
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ttttccaact caaagatctt tgctaaaagt ccttttacat agacttcccg ctgctgatca 1740
```


tacacgagcc actgctgatt tttctccaga gcacgtttca g

1781

<210> 42

<211> 1638

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: g452054

<400> 42

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tcctcattgt gttcacccctg ctccgaagaa ctctgtcttc cactggcccc tccacctcct 180
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<210> 43

<211> 1715

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1099352.1

<220>

<221> unsure

<222> 508-635

<223> a, t, c, g, or other

<400> 43

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<210> 44

<211> 3091

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 245013.1

<220>

<221> unsure

<222> 2929, 2939, 2941

<223> a, t, c, g, or other

<400> 44

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cttcgtgaga ttacagaaaa aaccagcaag aacaaggata cgctggagaa gttacaggcg 600
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<211> 2209

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 232415.1

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<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 407724.1

<400> 46

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<211> 836

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: g285938

<400> 47

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PA-0033 US

<211> 12515

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<213> Homo sapiens

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<213> Homo sapiens

PA-0033 US

<220>

<221> misc_feature

<223> Incyte ID No: g602449

<400> 49

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<210> 50

<211> 715

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 237113.1

PA-0033 US

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<221> unsure

<222> 50

<223> a, t, c, g, or other

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<211> 1897

<212> DNA

<213> Homo sapiens

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<220>

<221> unsure

<222> 435-491, 1237, 1641

<223> a, t, c, g, or other

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PA-0033 US

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<211> 966

<212> DNA

<213> Homo sapiens

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<220>

<221> unsure

<222> 669, 703, 862, 882

<223> a, t, c, g, or other

<400> 52

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<213> Homo sapiens

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<223> Incyte ID No: g3002790

<400> 53

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<210> 54

<211> 2380

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: g4050037

<400> 54

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PA-0033 US

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<211> 533
<212> DNA
<213> Homo sapiens

<220>
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<223> Incyte ID No: 022404.7

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<222> 832
<223> a, t, c, g, or other

<400> 56

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PA-0033 US

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<211> 2106

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 413533.1

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PA-0033 US

<213> Homo sapiens

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Incyte Unique

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<210> 60

<211> 954

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 980793.1

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<221> unsure

<222> 763, 907, 911, 938

<223> a, t, c, g, or other

<400> 60

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PA-0033 US

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<211> 4163
<212> DNA
<213> Homo sapiens

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<221> unsure
<222> 347
<223> a, t, c, g, or other

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PA-0033 US

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<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: g182061

<400> 63

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PA-0033 US

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<211> 3003

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<213> Homo sapiens

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<223> Incyte ID No: g1543067

<400> 64

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PA-0033 US

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<211> 1980

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 179368.2

<400> 65

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PA-0033 US

<210> 66
<211> 2290
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 200977.1

<400> 66
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catttatccc gctctcggat atcatgcgat atttgtctgt gtcttctttt taaaaacact 180
gtcgtcatat ttgtgggtcta atacttgttt tcttcccccc taggaggaat cattatagat 240
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agttaaaacc atgagttgtg gaaatgagtt tgtggaaaca ttaaaaaaaa ttggttatcc 420
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atcgtttctg aagtggtttt gtgggaatgt gaatgaacag aacgtgttgt ctgaaagaga 540
attggaagct tttagcattc ttcagaaatc aggcaggcct attctagaag gggcggcatt 600
ggatgaagct cttaaaacgt gtaaaacttc tgatttgaag acacctagac tggatgataa 660
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<210> 67
<211> 838
<212> DNA
<213> Homo sapiens

<220>

PA-0033 US

<221> misc_feature

<223> Incyte ID No: g38515

<400> 67

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tgtccgcac aacttgacga aagaaatata aatgacattt caaggataga agtataacctg 600
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acgaatttat gaattgaatt atcttggttg aaaataaaaa gatcactttc tcagttttca 720
taagtattat gtctcttctg agctatttca tctatttttg gcagtctgaa tttttaaaac 780
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<210> 68

<211> 858

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 227669.15

<400> 68

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cgcccgagc ggcagctcag caagtgggtg accaggccac agaggcgggg cagaaagcca 180
tggaccagct ggccaagacc accaggaaa ccatcgacaa gactgctaac caggcctctg 240
acaccttctc tgggattggg aaaaaattcg gcctcctgaa atgacagcag ggagacttgg 300
gtcggcctcc tgaaatgaca gcaggagac ttgggtgacc ccccttccag gcgccatcta 360
gcacagcctg gccctgatct cggggcagcc accacctcct cggtctgccc cctcattaaa 420
attcacgttc ccacctgtg tccacttcat gattcctcgc aagctgggcc cagtcccttc 480
atcccaagag cagagccacc gttagccggag tcttagcctc ccaaattcgg aaatccaatc 540
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gctcagcccc catctcgggt agtgcccctc tccgcccga ctttagagcc agcccctgcc 660
ccttattccc tgccccagga tcccgcccc tctggggagc tgggctggac tcggctctca 720
gatcctcgga aggtctcagct ctggggcggg caagggaact tgcaagtcgg gggggcctcg 780
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<210> 69

<211> 1503

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 217973.1

<400> 69

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agccaaggga aaactgaaga gccaaaacac caagccttat ctaaaatcca agaataattg 120
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tgttttgcct gtcaaacctt aaaggtccat cagcattaaa ctccagccca gaccacctaa 240
tactgcaggg tcccagaagc cgaagttgga gccaccaaaa cttctgggca aaaggctgac 300
ttcagaatgt gtttcttcta acccatactc taagccttct agcaagagtt ttcaacagt 360
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gcagatttaa ttcagccatt ccaagcaccc ctagcataag accaaatgga accagtggtg 1200
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gaaggaaaca actagaagaa tggcagaagt ctaagggaaa aacctataaa cggcctccta 1440
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ttg 1503

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<210> 70

<211> 1987

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 413466.5

<400> 70

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gcagttgatc cacaaccgag tgtggtgact cgggtggtca acctgccctt ggtgagctcc 180
acgtatgacc tcatgtcctc agcctatctc agtacaagg accagtatcc ctacctgaag 240
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gctctgccca tcatccagaa gctagagccg caaattgcag ttgccaatac ctatgcctgt 360
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gttgccaatg ccaaaggcgc tgtgactggg gcaaaagatg ctgtgacgac tactgtgact 480
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tgccacaccc tcctgtccaa catccaaggt gtaccacaga acatccaaga tcaagccaag 1140
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PA-0033 US

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<210> 71

<211> 1007

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 410003.3

<400> 71

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aatttcttgc tcctccaagg caccataaga gagaagattc ctttgaaagc ttggactctt 480
tgggctcgag gtcattgaca agctgctcct ctgatatcac gttgagaggg gggcggtgaag 540
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